

The following is a complete listing of all claims in the application, with an indication of the status of each:

Claims 1-5 (Cancelled).

Claim 6 (Currently amended). A method of inhibiting repair of double-stranded breaks in DNA in a cell which comprises introducing into the cell DNA comprising early region 4 (E4) open reading frame 6 (ORF6) and an E1B region of genomic adenoviral DNA, wherein the gene products of said early region 4 (E4) open reading frame 6 (ORF6) and said E1B region of genomic adenoviral DNA are expressed in said cell in a quantity sufficient to inhibit repair of double-stranded breaks in DNA in said cell.

7. (Withdrawn) A method of preventing cancer in a subject which comprises introducing into a cell of the subject the gene product of the early region 4 (E4) open reading frame 6 (ORF-6) of genomic adenoviral DNA.

8. (Withdrawn) A method of treating cancer in a subject which comprises introducing into a cancer cell of the subject the gene product of the early region 4 (E4) open reading frame 6 (ORF-6) of genomic adenoviral DNA.

9. (Withdrawn) A method of preventing concatamerization of a linear wild-type adenoviral DNA which comprises introducing into a cell comprising the wild-type adenoviral DNA, the gene product of the early region 4 (E4) open reading frame 6 (ORF-6) of genomic adenoviral DNA.

10. (Withdrawn) A method of inhibiting V(D)J recombination of nucleic acid sequences encoding immunoglobulins in a cell of the immune system which comprises introducing into the cell, the gene product of the early region 4 (E4) open reading frame 6 (ORF-6) of genomic adenoviral DNA.

11-16 (Cancelled)

17. (Withdrawn) The method of claim 6 wherein said step of introducing is performed by transfection.

18 (Cancelled)

19 (New). The method of claim 6, wherein said E1B region of genomic adenoviral DNA encodes and expresses only E1B 55kDa protein.

20 (New). The method of claim 6, wherein said gene products of said E1B region include only the E1B 55kDa protein.